What is claimed is:

1. A method for producing a microarray which comprises a substrate and at least one spot of a sample on a surface of the substrate comprising:

applying droplets of a liquid sample containing a biological substance to a plurality of positions on a surface of a water repellent substrate by using a microarrayer of the ink-jet type having a jet tip, the microarrayer exerting a pressure on the liquid sample contained therein to eject a droplet amount of the liquid sample from the jet tip, to form a spot on the surface of the substrate,

wherein a plurality of the droplets are applied to positions where all the droplets join with one another to form the spot.

2. The method for producing a microarray according to claim 1, wherein the droplet is applied to a position where the droplet joins with a droplet or a drop consisting of a plurality of droplets that have already been applied to the surface of the substrate.

3. The method for producing a microarray according to claim 1, wherein the method further comprises:

imaging a square on the surface of the substrate, the square is filled with a plurality of circles, and

applying the droplets to respective positions of the circles.

4. The method for producing a microarray according to claim 2, wherein the method further comprises:

imaging a square on the surface of the substrate, the square is filled with a plurality of circles, and

applying the droplets to respective positions of the circles.

5. The method for producing a microarray according to any one of claims 1 to 4, wherein 2 to 100 of the droplets are applied so that the droplets join with one another.

6. The method for producing a microarray according to claims 5, wherein 4 to 16 of the droplets are applied so that the droplets join with one another.